

MessageFrom: Lucy [lucy_tsai@cclab.com.tw]
Sent: Thursday, April 24, 2003 11:50 PM
To: Mike Kuo; Sunny Shih
Cc: ? ??; ? ??; jonson@cclab.com.tw
Subject: Re: Regard Twinhead FCC ID submission, noted: AN03T2803

Dear Mike,

For Q#1-3, please find the attached system user manual for details.
For Q#4, Twinhead has mentioned that second connector won't be connected with any antenna, and once they add the antenna in, then they will re-submit.
Attached email is their declaration.
For Q#5-6, we have made the revision and please refer to the attached test report for details.

Thanks a lot for your great support and we promise that we will try to improve our documents' quality and prevent the same condition happen.

Best Regards,

Lucy

----- Original Message -----
From: Mike Kuo
To: 'Lucy' ; Sunny Shih ; Mike Kuo
Cc: ? ?? ; ? ?? ; jonson@cclab.com.tw
Sent: Wednesday, April 23, 2003 3:06 PM
Subject: RE: Regard Twinhead FCC ID submission, noted: AN03T2803

Hi Lucy :

I did a quick review on this application. I noticed the following problems:

1. Please provide user manual for notebook computer. You only provide WLAN module portion of user manual. In this application, the EUT is the notebook computer with 802.11b USB wireless LAN module. The EUT is the notebook not the WLAN module.
2. The WLAN module user manual does not apply to this application. You may notice the the RF exposure warning statement indicated 20cm separation distance is required otherwise new equipment authorization is required. Please discuss with Twinhead and revise the user manual .
3. Please provide FCC DoC statement for Notebook computer.
4. In the internal photo, only one antenna is shown in the photos. On the RF module, there are two antenna connectors, where is the second antenna located in the notebook computer. Please point out this second antenna in the internal photos. Please also provide the photo for the second antenna.
5. Please take a look page 34 of test report. The 100kHz band edge plots can not be read clearly. You may position the marker wrong. When tune to low channel, we are looking the bandedge at the low end, when tune to high channel, we are looking the bandedge compliance at the high end.
6. There is no power spectral density plots in the report, please provide it.

7. By looking at the USB WLAN user manual, the FCC ID number for the WLAN has received separate WLAN module approval. By reviewing the FCC grant under FCC ID:QDWWMM168B, the highest measured output power is 18.33dBm (68mW). However, since the identical module is used in this application, the RF conducted output power measured in this report is 16.75dBm (44mW). Please explain the differences in the output power (both were measured with peak power meter).

I have not reviewed the SAR test report yet.

Best Regards

Mike Kuo
Compliance Certification Services
561F Monterey Road
Morgan Hill, CA 95037
Tel: (408) 463-0885 x:105
Fax: (408) 463-0888
e-mail: mkuo@ccsemc.com

-----Original Message-----

From: Lucy [mailto:lucy_tsai@cclab.com.tw]
Sent: Thursday, April 24, 2003 12:44 AM
To: Sunny Shih; Mike Kuo
Cc: ? ??; ? ??
Subject: Regard Twinhead FCC ID submission, noted: AN03T2803

Hi Mike,

Please be noted that this project is a urgent case that our sales have already promised client to get the certificate within one week.

Sorry for bothering you but please kindly help to review it as possible as you can, thank you.

Hi Sunny,

Please help to upload Twinhead SAR test report, thank you.

Best Regards,

Lucy